# Nonevaluative summaries of the world's literature in psychology and related disciplines

# **INDEX TO VOLUME 49**

# January-June 1973 Issues

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This is the first Volume Cumulative Index using the expanded Psychological Abstracts Controlled Indexing Vocabulary.

Index terms have been selected from a newly developed—soon to be published—

Thesaurus of Psychological Terms.

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# **Psychological Abstracts**

Nonevaluative summaries of the world's literature in psychology and related disciplines

# INDEX TO VOLUME 49, JANUARY-JUNE 1973 ISSUES

ROBERT G. KINKADE, Executive Editor
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# **Psychological Abstracts**

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The following guide for Volume 49, January-June 1973 issues tabulates: (a) issue month, (b) issue number, and (c) inclusive abstract numbers:

Month	Issue Number	Abstract Numbers
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February	2	1468-3461
March	3	3462-5699
April	4	5700-8156
May	5	8157-10188
June	6	10189-12194

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# **JOURNALS SCANNED**

The following list includes journals and reports which are scanned regularly and abstracted selectively.

Academic Therapy

Academy of Management Journal

Accident Analysis & Prevention

**ACE Research Reports** 

ACT Research Report (American College Testing Program)

Acta Medica Auxologica

Acta Neurobiologiae Experimentalis

Acta Neurologica

Acta Neurologica Belgica

Acta Neurologica Scandinavica

Acta Oto-Laryngologica

Acta Paedopsychiatrica

Acta Pharmacologica et Toxicologica

Acta Physiologica Polonica

Acta Psiquiátrica y Psicológica de América Latina

Acta Psychiatrica Belgica

Acta Psychiatrica Scandinavica

Acta Psychologica

Acta Psychologica Taiwanica

Acta Symbolica

Actas Luso-Españolas de Neurología y Psiquiatría y Ciencias

Afines

Activitas Nervosa Superior Administrative Science Quarterly

Adolescence

**Adult Education** 

Aerospace Medicine

Afro-American Studies
Aging & Human Development

Alberta Journal of Educational Research

American Annals of the Deaf

American Anthropologist

American Behavioral Scientist

American Corrective Therapy Journal

American Educational Research Journal

American Foundation for the Blind, Research Bulletin

American Foundation for the Blind, Research Series

American Imago

American Institutes of Research Report, Washington, D.C.

American Journal of Art Therapy

American Journal of Clinical Hypnosis

American Journal of EEG Technology

American Journal of Mental Deficiency

American Journal of Nursing

American Journal of Occupational Therapy

American Journal of Optometry & Archives of American Acad-

emy of Optometry

American Journal of Orthopsychiatry

American Journal of Psychiatry

American Journal of Psychoanalysis

American Journal of Psychology

American Journal of Psychotherapy American Psychologist

American Psychological American Scientist

American Sociological Review

Anali Zavoda za Mentalno Zdravlje

Animal Behaviour

Animal Behaviour Monographs

Animal Learning & Behavior

Annales Médico-Psychologiques

Annales Universitatis Turkuenis Monograph Series

Annals of the Japan Association for Philosophy of Science

Année Psychologique

Annual of Animal Psychology

Annual Report on Mental Health, Japan

Annual Review of Medicine

Annual Review of Pharmacology

Annual Review of Physiology

Annual Review of Psychology

Anthropologica

Anthropos

Anuario de Psicología

**Applied Ergonomics** 

Archiv für Psychologie

Archives of Biological Sciences

Archives of General Psychiatry

Archives Italiennes de Biologie

Archives of Neurology

Archives de Psychologie

Archives of Sexual Behavior

Archivos de Neurobiología

Arquivos Brasileiros de Psicologia Aplicada

Arquivos de Neuro-Psiquiatria

Arzneimittel-Forschung

Association of Educational Psychologists' Journal & Newsletter

100

Association of Psychotherapists Bulletin

Audiology

Audiovisual Instruction

Auk

Australian Army Psychological Research Report

Australian Journal of Mental Retardation

Australian Journal of Psychology

Australian & New Zealand Journal of Psychiatry

Australian & New Zealand Journal of Sociology

Australian Occupational Therapy Journal

Australian Psychologist

AV Communication Review

Aviation Research Monographs

**Behavior Genetics** 

Behavior Research Methods & Instrumentation

**Behavior Therapy** 

Behavioral Biology

Behavioral Neuropsychiatry

Behavioral Research in Highway Safety

Behavioral Science

Behavioral Technology Laboratories, U. Southern California,

Technical Report

Behaviorism Behaviorometric

Behaviour

Behaviour Research & Therapy

Beihefte zur Zeitschrift für Tierpsychologie

**Biochemical Pharmacology** 

**Biological Psychiatry** 

Biological Psychology Bulletin

Biométrie Humaine

Bollentino de Psicologia Applicata

Brain

Brain, Behavior & Evolution **Brain Research British Journal of Addictions British Journal of Criminology** British Journal of Disorders of Communication British Journal of Educational Psychology British Journal of Guidance & Counseling British Journal of Mathematical & Statistical Psychology British Journal of Medical Psychology British Journal of Mental Subnormality British Journal of Preventive & Social Medicine British Journal of Projective Psychology & Personality Study **British Journal of Psychiatry** British Journal of Psychology British Journal of Social & Clinical Psychology British Journal of Social Psychiatry & Community Health British Journal of Social Work **British Journal of Sociology** Bulletin of the British Psychological Society **Bulletin of the Menninger Clinic** Bulletin de Psychologie Bulletin de Psychologie Scolaire et d'Orientation Bulletin du C.E.R.P. Bulletin of the Faculty of Education, Dept. of Educational Psychology. U. Nagoya **Bulletin of the Psychonomic Society Bulletin of Suicidology** 

Cahiers de Psychologie CAI Technical Memo, Florida State U. (Computer-Assisted Instruction Center) CAI Technical Report, Florida State U. California Journal of Educational Research California Mental Health Research Digest California Mental Health Research Monograph Canada's Mental Health Canadian Counsellor Canadian Journal of Behavioural Science Canadian Journal of Criminology & Corrections Canadian Journal of Psychology Canadian Psychiatric Association Journal Canadian Psychologist Carnets de l'Enfance Catalog of Selected Documents in Psychology Center for Social Organization of Schools Report, Johns Hopkins U. Centro Ricerche Biopsichiche Československá Psychiatrie Československá Psychologie **Character Potential** Child Care Quarterly Child Development Child & Family Child Psychiatry & Human Development Child Psychiatry Quarterly Child Study Journal Cognition Cognitive Psychology College Student Journal Comments on Contemporary Psychiatry Communication & Cognition Community Mental Health Journal Community Mental Health Journal Monograph Series

10

Conditional Reflex Confinia Psychiatrica Contemporary Drug Problems Contemporary Psychoanalysis Contributi dell'Istituto di Psicologia **Cornell Journal of Social Relations** Correctional Psychologist Corrective Psychiatry & Journal of Social Therapy **Counseling Psychologist** Counseling & Values Counselor Education & Supervision CRC Report, Boston U. (Communication Research Center) Crime & Delinquency Criminal Law Education & Research Center, Monograph Series Criminology Criminology, Criminal Law & Police Science Crisis Intervention Cuadernos de Psicología **Current Sociology** Current Therapeutic Research

Daedalus
Defectologia
Delta
Developmental Medicine & Child Neurology
Developmental Psychobiology
Developmental Psychology
Devereux Schools Forum
Diagnostica
Didakometry
Difesa Sociale
Diseases of the Nervous System
Dissertation Abstracts International
Drug Forum
Dynamische Psychiatrie

Comprehensive Psychiatry

Early Child Development & Care Education & Psychology Review Education & Training of the Mentally Retarded **Education of the Visually Handicapped Educational & Psychological Interactions** Educational & Psychological Measurement **Educational Record Educational Research Educational Technology** Electroencephalography & Clinical Neurophysiology Elementary School Guidance & Counseling **Elementary School Journal** Encéphale Enfance Environment & Behavior Erfahrungswissenschaftliche Blätter Ergonomics Estudos de Psicanálise **European Journal of Pharmacology** European Journal of Social Psychology **Evolution Psychiatrique Exceptional Children Experimental Neurology** 

FAA Office of Aviation Medicine Report (Federal Aviation Agency)
Family Coordinator
Family Physician
Family Planning Perspectives
Farmakologiya i Toksikologiya
Feuillets Psychiatriques de Liège
Fiziologicheskiï Zhurnal SSSR
Florida Journal of Educational Research
Folia Primatologia

Gawein
Genetic Psychology Monographs
Gerontologist
Gifted Child Quarterly
Graduate Research in Education & Related Disciplines
Group for the Advancement of Psychiatry Report
Group Process
Group Psychotherapy & Psychodrama
Gruppendynamik

Hacettepe Bulletin of Social Sciences & Humanities Handbook of International Sociometry Harvard Educational Review Health Education Monographs Heilpädagogik Hormones & Behavior Hospital & Community Psychiatry Human Biology **Human Context Human Development Human Factors Human Relations** Humanitas **HumRRO Professional Paper HumRRO Technical Report** Hygiène Mentale

IEEE Transactions on Bio-Medical Engineering (Institute of **Electrical & Electronics Engineers**) IEEE Transactions on Systems, Man & Cybernetics Impact Improving Human Performance Indian Journal of Applied Psychology Indian Journal of Experimental Psychology Indian Journal of Psychology Indian Journal of Psychometry & Education Indian Journal of Social Work **Individual Psychologist Industrial Gerontology** Information Psychiatrique Information Psychologique Instructional Science Interchange International Journal of the Addictions International Journal of Clinical & Experimental Hypnosis International Journal of Clinical Pharmacology, Therapy & Toxicology International Journal of Group Psychotherapy International Journal of Group Tensions

International Journal of Mental Health International Journal of Offender Therapy & Comparative Criminology International Journal of Production Research International Journal of Psychiatry International Journal of Psycho-Analysis International Journal of Psychology International Journal of Social Psychiatry International Journal of Sport Psychology International Journal of Symbology International Pharmacopsychiatry International Review of Applied Psychology Interpersonal Development Interpretation IRAL: International Review of Applied Linguistics Irish Journal of Education Irish Journal of Psychology Israel Annals of Psychiatry & Related Disciplines **Issues** in Criminology

International Journal of Man-Machine Studies

JAMA: Journal of the American Medical Association Japanese Journal of Aerospace Medicine & Psychology Japanese Journal of Child Psychiatry Japanese Journal of Criminal Psychology Japanese Journal of Educational Psychology Japanese Journal of Experimental Social Psychology Japanese Journal of Pharmacology Japanese Journal of Psychology Japanese Journal of Special Education Japanese Psychological Research Japanese Psychological Review **Jednotná Škola** Jornal Brasileiro de Psiquiatria Journal of Abnormal Psychology Journal of the Acoustical Society of America **Journal** of Advertising Research Journal of Aesthetic Education Journal of Alcohol & Drug Education Journal of the All-India Institute of Speech & Hearing Journal of the American Academy of Child Psychiatry Journal of the American Academy of Psychoanalysis Journal of the American College Health Association Journal of the American Geriatrics Society Journal of the American Institute of Hypnosis Journal of the American Optometric Association Journal of the American Psychoanalytic Association Journal of the American Society for Psychical Research Journal of the American Society for Psychosomatic Dentistry & Medicine **Journal of Analytical Psychology** Journal of Applied Behavior Analysis Journal of Applied Behavioral Science Journal of Applied Psychology Journal of Applied Rehabilitation Counseling Journal of Applied Social Psychology

Journal of Asthma Research

Journal of Auditory Research

Journal of the Association for the Study of Perception

Journal of Child Development Journal of Child Psychology & Psychiatry & Allied Disciplines Journal of Child Psychotherapy Journal of Clinical Child Psychology Journal of Clinical Pharmacology Journal of Clinical Psychology **Journal of College Student Personnel** ournal of Communication Journal of Communication Disorders Journal of Community Psychology Journal of Comparative & Physiological Psychology Journal of Conflict Resolution Journal of Consulting & Clinical Psychology Journal of Contemporary Psychotherapy Journal of Counseling Psychology Journal of Creative Behavior Journal of Criminal Law & Criminology Journal of Cross-Cultural Psychology Journal of Drug Education Journal of Drug Issues Journal of Education, Boston **Journal of Educational Measurement** Journal of Educational Psychology Journal of Educational Research Journal of Employment Counseling Journal of the Experimental Analysis of Behavior Journal of Experimental Child Psychology Journal of Experimental Education Journal of Experimental Psychology Journal of Experimental Research in Personality Journal of Experimental Social Psychology Journal of Family Counseling Journal of Forensic Psychology Journal of General Psychology Journal of Genetic Psychology Journal of Gerontology Journal of Health & Social Behavior Journal of Higher Education Journal of the History of the Behavioral Sciences Journal of Human Relations Journal of Humanistic Psychology Journal of Individual Psychology Journal of Learning Disabilities Journal of the Market Research Society Journal of Marketing Journal of Marketing Research Journal of Marriage & the Family Journal of Mathematical Psychology Journal of Mathematical Sociology Journal of Medical Education **Journal of Mental Deficiency Research** Journal of Mental Health Journal of Motor Behavior Journal of Music Therapy Journal of the National Association of Private Psychiatric Hospitals Journal of Negro Education Journal of Nervous & Mental Disease Journal of Neurology, Neurosurgery & Psychiatry Journal of Neurophysiology

Journal of the Optical Society of America

Journal of the Otto Rank Association Journal of Parapsychology

Journal of Pastoral Care

Journal of Peace Research Journal of Personality **Journal of Personality Assessment** Journal of Personality & Social Psychology Journal of Pharmaceutical Sciences Journal of Phenomenological Psychology Journal of Psychedelic Drugs Journal of Psychiatric Nursing & Mental Health Services Journal of Psychiatric Research Journal of Psychoanalysis in Groups Journal of Psycholinguistic Research Journal of Psychological Researches Journal de Psychologie Normale et Pathologique Journal of Psychology Journal of Psychosomatic Research Journal of Reading Behavior Journal of Rehabilitation of the Deaf Journal of Religion & Health Journal of Research in Crime & Delinquency Journal of Research & Development in Education Journal for Research in Mathematics Education ournal of Research in Music Education **Journal of Safety Research** Journal of School Health Journal of School Psychology Journal for the Scientific Study of Religion Journal of Sex Research **Journal of Social Issues** Journal of Social Psychology Journal of the Society for Psychical Research Journal of Special Education Journal of Speech & Hearing Disorders Journal of Speech & Hearing Research Journal of Structural Learning Journal of the Student Personnel Association for Teacher Education Journal of Teacher Education Journal for the Theory of Social Behavior Journal of Transpersonal Psychology Journal of Verbal Learning & Verbal Behavior **Journal of Vocational Behavior** Journal of Vocational & Educational Guidance Journal of Youth & Adolescence Jyväskylä Studies in Education, Psychology & Social Research

Kansas Journal of Sociology Kölner Zeitschrift für Soziologie und Sozialpsychologie Kompendier fran Pedagogisk-Psykologiska Institutionen Kuratorium für Verkehrssicherheit

Language in Society
Language & Speech
Language, Speech & Hearing Services in the Schools
Learning & Motivation
Life Sciences
Life-Threatening Behavior
Literature & Psychology

Magyar Pszichológiai Szemle Manas, New Delhi Marine Behavior & Physiology Massachusetts Journal of Mental Health Maternal-Child Nursing Journal Mathématiques et Sciences Humaines Measurement & Evaluation in Guidance Medical Aspects of Human Sexuality Medicina Psicosomatica

Memory & Cognition Menninger Perspective Mens en Onderneming

Mental Health Book Review Index

Mental Retardation Merrill-Palmer Quarterly

MH

Michigan Academician

Michigan Mental Health Research Bulletin

Military Medicine

Minnesota Studies in Vocational Rehabilitation

Modern Language Journal

Monographien aus dem Gesamtgebiete der Psychiatrie

Monographies Françaises de Psychologie

Monographs of the Society for Research in Child Development MPI A-Rapport (Militärpsykologiska Institutet)

MPI B-Rapport

MPI Specialrapport Multivariate Behavioral Research

Multivariate Behavioral Research Monographs

Nature

Nature, New Biology

NAUTRADEVCEN (U.S. Naval Training Device Center) Technical Report

Nebraska Symposium on Motivation Nederlands Tijdschrift voor Gerontologie

Nederlands Tijdschrift voor de Psychologie en haar Grensgebieden

Nervenarzt

Neurobiologia

Neurologia, Psihiatria, Neurochirurgia

Neurology

Neuropharmacology Neuropsichiatria

Neuropsichiatria Neuropsychologia

Neuroscience & Behavioral Physiology Neurosciences Research Program Bulletin

New England Journal of Medicine

New Guinea Psychologist New Outlook for the Blind

**New Scholar** 

Newsletter for Research in Mental Health & Behavioral

Sciences Newsletter for Research in Psychology

New York State Journal of Medicine New Zealand Journal of Educational Studies

New Zealand Psychologist

Nordisk Psykologi

Northeastern University Studies in Vocational Rehabilitation

Nursing Outlook Nursing Research

Occasional Papers in Gerontology Occupational Psychology Ontario Psychologist Organizational Behavior & Human Performance Orientation Scolaire et Professionelle

Pakistan Journal of Psychology

Parapsychology Review

Pedagogisk-Psykologiska Problem Perception & Psychophysics

Perceptual & Motor Skills Personnel & Guidance Journal

Personnel Journal

Personnel Psychology

Perspectives in Biology & Medicine Philippine Journal of Child-Youth Development

Phillipine Journal of Psychology

Philosophy & Phenomenological Research

Physiologia Bohemoslovaca Physiological Psychology

Physiology & Behavior PMS: Tijdschrift voor Psycho-Medisch-Sociaal Werk

Polish Endocrinology Polish Medical Journal Polish Psychological Bulletin

Pratique des Mots

Praxis der Kinderpsychologie und Kinderpsychiatrie

Praxis der Klinischen Psychologie

Praxis der Psychotherapie

**Primates** 

Probleme und Ergebnisse der Psychologie

Proceedings of the American Society for Psychical Research

Proceedings of the Annual Convention of the American Psychological Association

Proceedings of the Annual Reading Institute at Temple University

Proceedings of the Christian Association for Psychological Stud-

Proceedings of the Institute of Statistical Mathematics

Proceedings of the Invitational Conference on Testing Prob-

Proceedings of the Society for Psychical Research

Professional Psychology Przeglad Penintencjarny

Przeglad Penintencjarny Przeglad Psychologiczny

Przeglad Psychol Psihologija

Psyche, Stuttgart Psychiatria Clinica Psychiatria Fennica

Psychiatria, Neurologia, Neurochirugia

Psychiatric Annals

**Psychiatric Communications** 

Psychiatric Forum Psychiatric Quarterly

Psychiatrie, Neurologie and medizinische Psychologie

Psychiatry

Psychiatry in Medicine Psychoanalytic Quarterly

Psychoanalytic Review Psychoanalytic Study of the Child

Psychologia Africana

Psychologia: An International Journal of Psychology in the Ori-

Psychológia a Patopsychológia Dietata

Psychologia Wychowawcza

Psychologica Belgica

**Psychological Bulletin** Psychological Issues Psychological Medicine Psychological Record **Psychological Reports** Psychological Research Bulletin, Lund U. Psychological Review Psychologie v Ekonomické Praxi Psychologie in Erziehung und Unterricht Psychologie Française Psychologie und Praxis Psychologische Beiträge Psychologische Forschung **Psychologische Praxis** Psychologische Rundschau Psychology **Psychology Quarterly** Psychology in the Schools Psychology Today Psycholoog Psychometrika Psychopharmacologia Psychopharmacologie Psychophysiology Psychosomatic Medicine **Psychosomatics** Psychosynthesis Research Foundation Psychotherapy & Psychosomatics Psykisk Halsa Psychotherapy: Theory, Research & Practice Pszichologiái Tanulmányok **Public Opinion Quarterly** Public Personnel Management **Pupil Personnel Services Journal Purdue Opinion Panel Poll Report** 

Quality & Quantity Quarterly Journal of Experimental Psychology Quarterly Journal of Speech Quarterly Journal of Studies on Alcohol

Race

Rassegna Italiana di Ricerca Psichica Rassegna Italiana di Sociologia Rational Living Reading Improvement Reading Research Quarterly

Reading Research Quarterly
Reading Teacher
Reading World

Rehabilitation Counseling Bulletin Rehabilitation Literature Rehabilitation Psychology

Rehabilitation Research & Practice Review
Rehabilitation Series

Reiss-Davis Clinic Bulletin Religious Education

Reports from the Institute of Applied Psychology, U. Stockholm

Reports from the Institute of Occupational Health, U. Helsinki Reports from the Laboratory for Clinical Stress Research

Psychologica: Zbornik Filozofickej Fakulty University of Komenskeno Reports of the National Research Institute of Police Science,
Tokyo

Reports from the Psychological Institute, U. Helsinki Reports from the Psychological Laboratories, U. Stockholm Reports of the National Research Institute of Police Science

Representative Research in Social Psychology Research Bulletin, Institute of Education, U. Helsinki

Research Bulletin of the National Institute for Educational Research, Tokyo

Research in Education Research Quarterly

Research Report, U. Western Australia Review of Educational Research

Revija za Psihologiju

Revista Argentina de Psicología Revista Brasileira de Deficiência Mental Revista Colombiana de Psiquiatria Revista de la Clínica de la Conducta Revista Española de la Opinió Pública

Revista de la Clinica de la Conducta Revista Española de la Opiniń Pública Revista del Instituto de la Juventud Revista Interamericana de Psicología Revista Latinoamericana de Psicología

Revista de Medicina de la Universidad de Navarra

Revista Mexicana de Psicología Revista de Neuro-Psiquiatría Revista de Pedagogie

Revista de Psicoanálisis Revista de Psicoanálisis, Psiquiatría y Psicología Revista de Psicología General y Aplicada

Revista de Psicología Normal e Patológica

Revista de Psihologie

Revista de Psiquiatría y Psicología Médica Revue Belge de Psychologie et de Pédagogie

Revue de Pedagogie

Revue Française de Psychanalyse Revue Internationale de Sociologie

Revue de Médecine Psychosomatique et de Psychologie Médicale

Revue de Neuropsychiatrie Infantile et d'Hygiene Mentale de l'Enfance

Revue de Psychologie Appliquée Revue de Psychologie et des Scie

Revue de Psychologie et des Sciences de l'Education Revue Roumaine des Sciences Sociales-Série de Psychologie

Rivista de Neurobiologia Rivista di Psichiatria Rivista di Psicoanalisi

Rocznike Filozoficzne: Annales de Philosophie

Rural Sociology

Saint Louis University Research Journal SALT: School Applications of Learning Theory Sbornik Praci Filosofické Fakulty Brnénské University Scandianavian Journal of Educational Research Scandinavian Journal of Psychology

Schizophrenia Bulletin School Counselor

School Psychology Digest

School Review

Schweizer Archiv fur Neurologie, Neurochirurgie und Psychiatrie Schweizerische Zeitschrift für Psychologie und ihre Anwen-

dungen Science Scientific American Seminars in Psychiatry Sexual Behavior Simulation & Games Skolepsykologi Skolepsykologi Monografi Series Slow Learning Child: The Australian Journal on the Education of Backward Children **Small Group Behavior** Smith College Studies in Social Work Social Biology Social Casework Social Defence Social Forces Social Problems Social Psychiatry Social Science Information Social Science & Medicine Social Work Sociological Quarterly

Scientia Paedagogica Experimentalis

Sociologický Casopis

Soviet Psychology

Speech Monographs

Sociometry

Sociology of Education

Sociology & Social Research

South African Journal of Psychology

Southern Journal of Educational Research

Spring Studia Filozoficzne Studia Philosophiae Christianae Studia Psychologica Studia Socjologiczne Studia Universitatis Babeş-Bolyai: Series Psychologia-Pedagogia Studies in Personnel Psychology Suid-Afrikaanse Tydskrif vir die Pedagogiek Synteza

**Teachers College Record** TIT Journal of Life Sciences Theory into Practice Tohoku Psychologica Folia Toxicomanies Training & Development Journal Training School Bulletin Travail Humain

Universiteit Van Port Elizabeth Publikasiereeks

ogy Research Project U.S. Army BESRL (Behavior & Systems Research Laboratory) **Technical Research Note** U.S. Army BESRL Technical Research Report

University of Canterbury Department of Psychology & Sociol-

U.S. Army Human Engineering Laboratories Technical Memo-

U.S. Army Human Engineering Laboratories Technical Note

**Technical Report** USAF AMRL (Aerospace Medical Research Laboratory) Technical Report USAF ARL (Aeromedical Research Laboratory) Technical Re-

USAF AFHRL (U.S. Air Force Human Resources Laboratory)

U.S. Naval Personnel & Training Research Laboratory Research Memorandum U.S. Naval Personnel & Training Research Laboratory Re-

search Report U.S. Naval Personnel & Training Research Laboratory Techni-

cal Bulletin

U.S. Naval Submarine Medical Center Memorandum Report U.S. Naval Submarine Medical Center Report

U.S. Navy Medical Neuropsychiatric Research Unit Report USN AMI (U.S. Navy Aerospace Medical Institute) Army-Navy Joint Report

USN AMI & NASA (National Aeronautics-Space Administration) Joint Report USN AMI Special Report

Vie Médicale au Canada français Viewpoints Vision Research Vital & Health Statistics Series 2 Vital & Health Statistics Series 11 Vocational Evaluation & Work Adjustment Bulletin Vocational Guidance Quarterly Vojnosanitetski Pregled Volta Review Voprosy Filosofii Voprosy Psikhologii

Western Carolina University Journal of Education Western Psychologist Wisconsin Sociologist Wisconsin Studies in Vocational Rehabilitation Monograph Work-Environment-Health World Health Organization, Public Health Papers World Health Organization, Technical Report Series Wydzialu Filozoficzno Historycznego: Seria Psychologia Pedagogika

#### Young Children

Zeitschrift für Entwicklungspsychologie und Pädagogische Psy-Zeitschrift für Experimentelle und Angewandte Psychologie Zeitschrift für Klinische Psychologie Zeitschrift für Klinische Psychologie und Psychotherapie Zeitschrift für Psychologie Zeitschrift für Psycho-Somatische Medizin und Psychoanalyse Zeitschrift für Psychotherapie und Medizinische Psychologie Zeitschrift für Sozialpsychologie Zeitschrift für Tierpsychologie Zhurnal Nevropatologii i Psikhiatrii Zhurnal Vysshei Nervnoi Deyatel'nosti

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#### ABBREVIATIONS

Abbreviations appearing in Volume 49, along with units of measurement (e.g., in. = inch, wk. = week, hr. = hour, etc.):

```
= Alcoholics Anonymous
                                                                          PM
                                                                                          = post meridiem
                                                                                         = pulses per second
= partial reinforcement effect
AC
         = alternating current
                                                                           pps
PRE
ACTH = adrenocorticotropic hormone
AM
         = ante meridiem
                                                                          PSE
                                                                                          = point of subjective equality
         = ampere
                                                                          psi
                                                                                          = pounds per sq. in.
amp.
         = beats per minute
bpm
                                                                                          = product-moment correlation
                                                                                          = roentgen
C
         = centigrade
                                                                          REM
                                                                                          = rapid eye movement
         = cents
                                                                                          = root mean square
                                                                          rms
CA
         = chronological age
                                                                           RNA
                                                                                          = ribonucleic acid
CER
          = cubic centimeter
                                                                                          = revolution per minute
                                                                          rpm
RT
         = cubic centimeter
= conditioned emotional response
= critical flicker frequency
= central nervous system
= cycles per second
= conditioned response (or reflex)
= continuous reinforcement
                                                                                          = reaction time
CFF
                                                                                          = subject
                                                                           SEU
                                                                                          = subjectively expected utility
cps
CR
                                                                           SPL
                                                                                          = sound pressure level
CRF
         = cathode ray tube
CRT
                                                                           TV
                                                                                          = television
          = conditioned stimulus
          = consonant-vowel-consonant
                                                                           UCR
                                                                                          = unconditioned response
                                                                           UCS
                                                                                          = unconditioned stimulus
db.
          = decibel
                                                                           UHF
                                                                                          = ultrahigh frequency
DC
DL
          = direct current
          = differential limen
                                                                                          = volt
DNA
DRL
         = deoxyribonucleic acid
                                                                           VHF
                                                                                          = very high frequency
          = differential reinforcement of low rates
                                                                                          = versus
                                                                           VS.
          = experimenter
                                                                           YMCA
                                                                                          = Young Men's Christian Association
ECS
          = electroconvulsive shock
                                                                           YWCA
                                                                                          — Young Women's Christian Association
EEG
          = electroencephalogram (or -graphy)
EKG
          = electrocardiogram
                                                                           Test abbreviations include:
EMG
          = electromyogram
ESP
          = extrasensory perception
                                                                           California E Scale (Ethnocentrism)
California F Scale (Fascism)
CMA scale = Children's Manifest Anxiety scale
Exp.
          = experiment
          = Fahrenheit
                                                                           CPI
CTMM

    California Psychological Inventory
    California Test of Mental Maturity

          = footcandle
ft-c
ft-L
          = foot-lambert
                                                                           EPPS
                                                                                          = Edwards Personal Preference Schedule

    (Taylor) Manifest Anxiety scale
    Minnesota Multiphasic Personality Inventory

                                                                           MA scale
          = gravity
                                                                           MMPI
gm.
GPA
          = gram(s)
                                                                                          = Maudsley Personality Inventory

= Cattell's 16 Personality Factor Questionnaire

= Strong Vocational Interest Blank
                                                                           MPI
          = grade-point average
                                                                           16 PF
GSR
          = galvanic skin response
                                                                           SVIB
                                                                                          = Thematic Apperception Test
= Wechsler Adult Intelligence Scale
= Wechsler Intelligence Scale for Children
Hz.
                                                                           TAT
          - Hertz
 ICS
          = intracranial stimulation
                                                                           WISC
          = intramuscularly
im
          = intraperitoneally
= intelligence quotient(s)
= intertrial interval
                                                                           Abbreviations used in authors' addresses are:
ip
IQ(s)
 ITI
                                                                                          = association
                                                                           Assn.
          = intravenously
                                                                                          = associates
                                                                           Assoc.
                                                                           Co.
Coll.
                                                                                          = company
          = kilocycle
 kc.
                                                                                          = college
          = kilogram
 kg.
                                                                                          = corporation
                                                                           Corp.
         = kilogram per meter
= kilo-Hertz
 kg/m
kHz.
                                                                                          = department
                                                                           Dept.
                                                                                          = division
                                                                           Div.
                                                                                          = institute
                                                                           Inst.
           = lethal dose
                                                                                          = hospital
                                                                           Hosp.
 LSD
          = lysergic acid diethylamide
                                                                                          = laboratory
                                                                           Lab.
                                                                                          = incorporated
 m.
M
M
                                                                           Inc.
          = meter
                                                                                          = university
          = mean
= mole or molar
          = milliampere
= mental age
                                                                           Ave.
Bldg.
Blvd.
                                                                                           = avenue
 ma
                                                                                           = building
 MA
                                                                                           = boulevard
 MAO
          = monoaminoxidase
           = millilambert
                                                                           Ct.
Dr.
                                                                                           = court
 mL.
                                                                                          = drive
          = millimeter
 mm.
                                                                           Ft.
Mt.
Pkwy.
Pl.
          = miles per hour
= millisecond(s)
                                                                                          = fort
 mph
                                                                                          = mount
 msec.
                                                                                          = parkway
= place
                                                                           PO
Rd.
                                                                                           = post office
 NREM = nonrapid eye movement
                                                                                           = road
                                                                            St.
 0
                                                                                           = street
           = observer
                                                                            N, S, E, W
                                                                                           = North, South, East, West
= United States
           = probability
                                                                                           = Union of Soviet Socialist Republic
                                                                 xii
                                                                            USSR
           = percent
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#### LANGUAGE ABBREVIATIONS

A 4-letter abbreviation appearing next to an abstract number in the Subject Index, e.g., (Russ), 8358, indicates that the article was published in a language other than English (in the example given, Russ = Russian). Those entries without a language abbreviation indicate that the article was published in English.

The following list defines the language abbreviations used:

Afri = Afrikaans Alba = Albanian

Arab = Arabic

Bulg = Bulgarian

Chin = Chinese Czec = Czech

Danh = Danish
Duth = Dutch

Finn = Finnish Flem = Flemish Fren = French

Geor = Georgian Germ = German Grek = Greek

Hebr = Hebrew Hung = Hungarian Iran = Iranian Ital = Italian

Japn = Japanese

Lith = Lithuanian

Norg = Norwegian

Polh = Polish Port = Portuguese

Romn = Romanian Russ = Russian

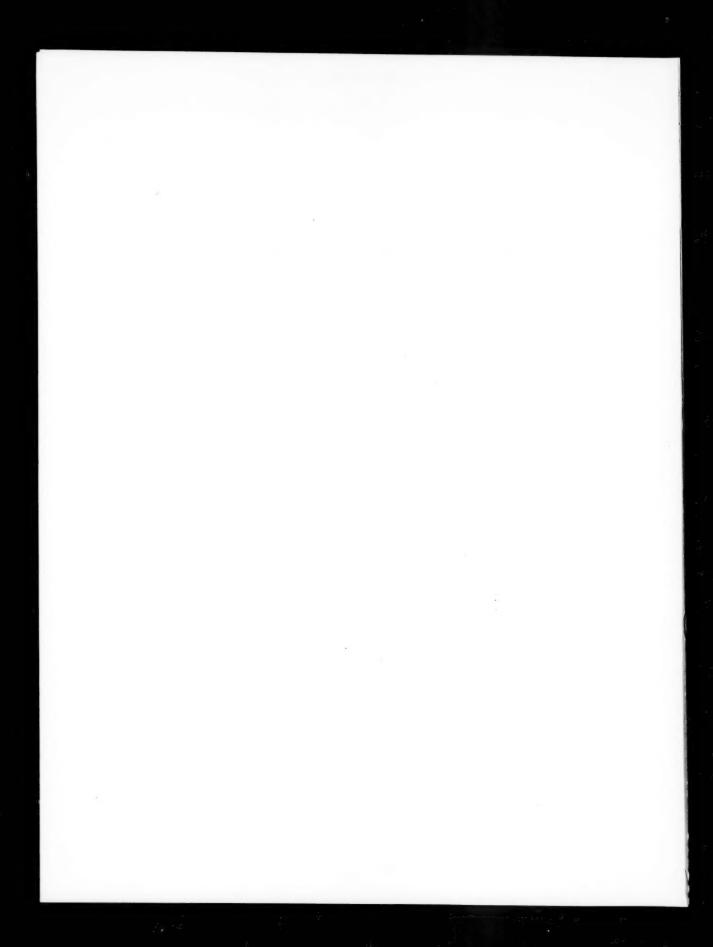
Sloe = Slovene Slok = Slovak Span = Spanish Srcr = Serbo-Croatian

Swed = Swedish

Turk = Turkish

Ukrn = Ukranian

Yugo = Yugoslavian



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#### SUBJECT INDEX TERMS

The following list of authority terms is included to provide an overview of the terms available in the Subject Index for information search.

Ability Abortion	Brightness Business
Acceptance	6
Achievement	Canada Cardiovascular Disorders
Achievement Motivation	Cardiovascular Processes
Achievement Motivation Achievement/Academic Achievement/Academic—College Achievement/Academic—	Case Report
Achievement/Academic—	Case Report—Treatment
	Cat
Achievement/Over & Under	Cat/Drug Effects In Cat/Learning In
Achievement/Prediction of	Cat/Learning In
Academic	Cat/Lesions In Categorical Behavior
Activity	Categorical Benavior
Adaptation Adaptation/Sensory	Cerebral Cortex Certainty
Adjustment/Personal & Social	Character Disorder
Adolescence	Chickon
Adolescence/Mental Disorders In	Child Abuse Child Psychiatry Child Rearing
Adulthood	Child Psychiatry
Advertising	Child Rearing
Aesthetics	Childhood & Children Childhood/Ability In Childhood/Behavior Problems
Affect	Childhood/Ability In
Africa	Childhood/Behavior Problems
Aftereffect	Childhood/Concepts & Problem Solving In
Age Differences  Age Differences—Animal	Childhood/Development In
Age Differences—Animal Age Differences—Children	Childhood/Development In Childhood/Disadvantaged
Aggression	Childhood/Emotional
Aging	Disturbances In
Alcohol	Childhood/Handicapped
Alcoholism	Childhood/Learning In Childhood/Perception In
Alienation	Childhood/Perception In
Amnesia	Childhood/Personality In Childhood/Physical Illness In
Amphetamine	Childhood/Preschool
Analysis Animal Psychology	Childhood/Psychosis In
Animals	Childhood/Psychosis In Childhood/Social Behavior In
Antidepressant Drugs	Chlorpromazine
Antisocial Behavior	Choice Behavior
Anxiety	Classification
Apparatus	Classroom
Apparatus—Animal	Clinic
Arousal	Clinical Judgment Clinical Psychology
Aspiration & Aspiration Level	Cognition
Association Association/Word	Cognitive Style
Attention	College
Attitude	Color
Attitude Change	Color Vision
Attitude Measurement Attitude Toward Mental Illness &	Communication
Attitude Toward Mental Illness &	Communication/Mass Communication/Nonverbal
Mental Retardation	Communication/Nonverbal
Attitude/Student	Community Community Services
Audition Auditory Discrimination	Comparative Psychology
Auditory Measurement	Competition
Auditory Perception	Complexity
Authoritarianism	Comprehension
Aversion & Aversiveness	Computer
Aviation	Concept Concept Formation
Avoidance Behavior	Concept Formation
Awareness	Conditioned Emotional Respon Conditioned Response
Behavior	Conditioning
Behavior—Animal	Conditioning/Classical
Behavior Disorder	Conditioning/Eyelid
	Conditioning/Interoceptive
Behavior Problems Behavior Therapy	Conditioning/Operant
Behavioral Science	Conflict
Bias	Conformity
Bibliographies	Conscious States Consumer Behavior
Biochemistry	Context Behavior
Biological Rhythms Biology	Contribution & Criticism
Bird	Control
Birth	Control/Internal-External
Birth Control	Cooperation
Birth Order	Correlation
Blindness	Counseling Counselor
Blood	Counselor
Blood—Animal	Creativity
tot the	Crime & Criminals
Blood Pressure	Calala & Calala Tatanana
Blood Pressure Body	Crisis & Crisis Intervention
Blood Pressure Body Books	Crisis & Crisis Intervention Cross-Cultural Differences
Blood Pressure Body Books Brain	Crisis & Crisis Intervention Cross-Cultural Differences Cue
Blood Pressure Body Books Brain—Animal	Crisis & Crisis Intervention Cross-Cultural Differences Cue Culture
Blood Pressure Body Books Brain Brain—Animal Brain Damage Brain Disorder	Crisis & Crisis Intervention Cross-Cultural Differences Cue Culture Cultures & Countries Curriculum
Blood Pressure Body Books Brain Brain—Animal Brain Damage Brain Disorder Brain Disorder	Crisis & Crisis Intervention Cross-Cultural Differences Cue Culture Cultures & Countries
Blood Pressure Body Books Brain Brain—Animal Brain Damage	Crisis & Crisis Intervention Cross-Cultural Differences Cue Culture Cultures & Countries Curriculum

Death
Deception
Decision Making
Defense Mechanism
Delinquency/Juvenile
Dependency
Depression
Depression Deprivation Deprivation/Sensory Detection Development Diagnosis
Diagnosis/ Differential
Digestive System
Discrimination
Discrimination Reversal Display Dissonance Dog Dominance Dominance
Drawing
Drawing
Dream & Dreaming
Driving
Drug Addiction
Drug Effects—Animal
Drug Effects—Human
Drug Therapy
Drug Therapy—Schizophrenia
Drug Usage & Abuse Ear
Education
Education/Physical
Education/Programs In
Education/Special
Education/Special—Mental
Retardation
Education/Special—Remedial
Educational Background
Educational Measurement
Educational Measurement
Educational Psychology
Espo Ego Electrical Activity Electroconvulsive Shock Electroconvulsive Shock Therapy Electroencephalography
Electroencephalography—Animal
Electromyography
Electrophysiology Elimination Emotion Emotional Disturbance Emotionality Empathy Engineering Psychology Environment
Environment—Animal
Epilepsy
Epinephrine Error Escape Estimation Ethics Ethnology Etiology
Etiology
Evaluation
Existentialism
Expectation & Expectancy Expectation & Expectancy
Experience/Early
Experimental Design
Experimental Psychology
Experimental of Experiments
Experimentation & Experiments
Exploratory Behavior Extinction
Extinction/Resistance To
Extroversion-Introversion Eye Movement Factor Analysis Familiarity
Family
Family Relations
Family Therapy Fantasy Father Fatigue Fear

Film Fish Food Food Deprivation Food Intake France Frog Frustration Galvanic Skin Response Game Generalization Genetics Genetics Geriatrics Germany Gerontology Gestalt Psychology Gifted Gland Government Grammar Great Britain Group Group Discussion Group Dynamics
Group/Small
Guidance/Educational
Guidance/Vocational Habituation Hallucination Hand Handling Heart Heart Rate Hippocamp History Homosexuality Hormone Hospital & Hospitalization Hostility Humor Hypnosis Hypothalamus Hysteria & Hysterics Identification Identity Illness Illusion Image Imagery Imitation Incentive India Individual Differences Industrial Psychology Infancy Information Information Theory Inhibition Insect
Instinctive Behavior
Institution & Institutionalization
Instruction Instruction
Instructions/Experimental
Integration Intelligence Intelligence Quotient Interlerest Interference International Relations Interpersonal Attraction Interpersonal Influence Interpersonal Processes Interval/Interstimulus Interview & Interviewing Inventory Isolation Israel Intelligence Quotient Israel Japan Job Performance Job Satisfaction Judgment Judgement/Perceptual

Feedback

#### Kinesthesis

Language
Language Development
Language/Foreign
Laterality
Latin America Law Leadership Leadership
Learning Disorders
Learning Theory
Learning Transfer
Learning/Avoidance
Learning/Discrimination
Learning/Maze
Learning/Motor
Learning/Paired Associal Learning/Motor
Learning/Paired Associate
Learning/Probability
Learning/Reversal
Learning/Serial
Learning/Verbal Lesion Light Literature Localization Logic Lysergic Acid Diethylamide—LSD

Management Marihuana Marital Problems Marriage Masking Maternal Behavior Mathematics Maturation Meaning Meaningfulness Medicine Memory
Memory/Short Term
Memory/Short Term
Mental Disorder
Mental Health
Mental Hospital & Hospitalization
Mental Hospital / Programs In
Mental Processes
Mental Retardation
Mental Retardation/Diagnosis Of
Mental Retardation/Learning In
Mental Retardation/Treatment Of
Mental Retardation/Treatment of
Mental Retardation/Treatment of
Mental Retardation/Treatment of
Mental Retardation/Vocational
Rehabilitation & Training In
Method & Methodology
Military
Method & Methodology
Military Memory Military
Minnesota Multiphasic Personality
Inventory—MMPI Inventory—MMPI Model Money Monkey Monkey/Learning In Mother Motivation Motivation—Animal Motivation Theory Motor Disorder Motor Performance Motor Processes Mouse Movement Muscle Music

Need
Negro
Neonate
Nervous System/Autonomic
Nervous System/Autonomic
Nervous System/Central
Nervous System/Disorder Of
Neuroanatomy
Neuroanatomy
Neuroanatomy
Neuroanatomy
Neuroanatomy Neurology -Animal Neurology Neurosis & Neuroticism Noise Norm Number Nursing & Nurses

Need

Obituaries Observation Obsession-Compulsion Occupation
Occupational Choice

Occupational Interest Occupational & Physical Therapy Opinion Organizational Structure Organizations Orientation

Paranoia Parapsychology Parent-Child Relations Patient Pattern Pattern
Pecrs
Perception
Perception/Depth
Perception/Form & Shape
Perception/Size
Perception/Space
Perception/Time Performance Performance
Personality
Personality Change
Personality Correlates
Personality Measurement
Personality Theory
Personality Trait Personally Trail Personnel Personnel/Industrial Personnel/Military Personnel/Psychological Persuasion Phenomenology Philosophy

Phobia Physical Handicap Physician Physiological Correlates Physiological Psychology Physiology Physiology/Sensory Physique Picture Pigeon Political Rehavior Population Characteristics Potential/Evoked Practice Prediction Preference Pregnancy Prejudice Prison Probability Probability
Problem Solving
Programmed Instruction
Projective Technique
Psychiatric Patient
Psychiatric Patient

Psychiatrist Psychiatry Psychiatry Psychiatry Abroad Psychoanalysis
Psychoanalytic Interpretation
Psychoanalytic Theory
Psychodiagnosis
Psycholinguistics Psychologist Psychologist
Psychology Abroad
Psychology Abroad
Psychology History Of
Psychopathology
Psychophysics
Psychosis & Psychotics
Psychosomatic Disorder
Psychotherapy
Psychotherapy
Psychotherapy
Psychotherapy
Psychotherapy Psychotherapy/Group
Psychotherapy/ Group
Psychotherapy/ Methods In
Psychotherapy/ Research In
Psychotherapy/ Short Term
Punishment

Rabbit Radiation Rapid Eye Movement Rat Rat/Activity In Rat/Activity In Rat/Avoidance & Avoidance Learning In Rat/Brain Stimulation In Rat/Conditioning In Rat/Discrimination In Rat/Discrimination In Rat/Extinction In Rat/Extinction In Rat/Extinction In Rat/Learning In Rat/Maze Learning In Rat/Motivation In Rat/Reinforcement & Reinforcement Schedule In Rat/Shock & Shock Effects In Rat/Stress Effects In Rating Rating Scale Reaction Time Reading Reading Deficiency Recall Recall
Recognition
Recreation
Reflex
Rehabilitation
Rehabilitation/Vocational Reinforcement Schedule Reinforcement Theory Reinforcement/Social Reliability Religion Repression Research Research Methods Respiration Retina Reviews Risk Taking Role Rorschach Test Rural Environment Safety

Rat/Lesions In

Scale Scaling Scalins
Schizophrenia/Childhood
Schizophrenia/Chronic
Schizophrenia/Chronic
Schizophrenia/Diagnosis Of
Schizophrenia/Panily Role In
Schizophrenia/Learning &
Cognition In
Schizophrenia/Physiology Of
Schizophrenia/Symptomatology Of
Schizophrenia/Treatment Of
Schizophrenia/Treatment Of Schizophrenia/Treatme School Adjustment School Administration School Dropout School Learning Science & Scientists Score & Scoring Selection Self Concept Self-Evaluation Self-Perception Self-Stimulation Semantic Differential Semantics Sensitivity Sensory Processes Sentence Set Sex Sex Differences Sex Differences—Animal Sex Differences/Academic Achievement Sex Role Sexual Behavior

Sexual Behavior—Animal Sexual Deviation Sexual Disorder Shock & Shock Intensity Signal Similarity Simulation Skin Sleep Smell Smoking Social Approval Social Behavior/Animal Social Behavior/Human Social Benavior/ Ri Social Casework Social Change Social Influence Social Interaction Social Mobility Social Movements Social Perception Social Processes

Social Psychology Social Science Social Structure Socialization Socioeconomic Status Sociology Somesthesia Sound Speech Speech Perception Speech Therapy Speech/Defective Statistics Stereotype Stimulation Stimulus Stimulus Intensity Strategy Stress Stress/Physiological Student Student/College Student/College—Attitudes Student/College—Personality Student/Elementary School Student/Graduate Student/High School Student/Junior High School Stuttering Suicide Surgery Survey Symposium Symptom Syntax

Task Taste
Teacher
Teacher Attitudes & Personality
Teacher Training Teaching Teaching Aids Teaching Method Television Temperature
Test & Testing
Test Anxiety
Test/Achievement
Test/Aptitude Test/Intelligence Test/Personality
Testing Methods Thalamus Theory Theory
Therapeutic Process
Therapist
Therapy Thinking Threat Threshold Time Time Estimation Training
Training/Industrial & Military
Training/Psychology
Tranquilizer
Transeler Treatment Treatment/Outpatient Twins

United States Urban & Suburban Environment USSR

Validity Value & Values Verbal Behavior Verbal Behavior
Vision / Defective
Vision/ Defective
Vision/ Physiology Of
Visual Cortex
Visual Discrimination
Visual Field
Visual Perception
Vocabulary
Vocabigation

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**Elective Mutism Electra Complex** 

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